

Comparisons of Job Characteristics

Focus Occupation: [Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders \(51-9021\)](#)

Associated Occupation: [Tool Grinders, Filers, and Sharpeners \(51-4194\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: [Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders \(51-9021\)](#)

Associated Occupation: [Tool Grinders, Filers, and Sharpeners \(51-4194\)](#)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Mechanical	6.8	12.6	14.4	>	Current knowledge level is likely sufficient
Production and Processing	6.0	11.1	11.9	0	Current knowledge level may be sufficient
Engineering and Technology	5.7	7.9	8.1	0	Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: [Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders \(51-9021\)](#)

Associated Occupation: [Tool Grinders, Filers, and Sharpeners \(51-4194\)](#)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Operation Monitoring	6.6	12.9	13.9	0	Current skill level may be sufficient
Equipment Maintenance	3.5	11.1	8.4	<<	Extensive development of skills in this area may be required
Operation and Control	5.4	11.1	12.9	>	Skill level is likely sufficient
Quality Control Analysis	5.9	10.8	10.5	0	Current skill level may be sufficient
Repairing	3.4	10.6	8.1	<<	Extensive development of skills in this area may be required
Mathematics	6.2	9.7	6.4	<<	Extensive development of skills in this area may be required
Troubleshooting	4.5	9.2	8.2	<	A higher skill level may be required
Equipment Selection	3.3	8.6	6.9	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 84			
Focus Occupation: Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders (51-9021) Associated Occupation: Tool Grinders, Filers, and Sharpeners (51-4194)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Manual Dexterity	6.5	12.8	12.2	0	Current ability level may be sufficient
Finger Dexterity	7.6	12.7	10.2	<	Some improvement in abilities may be required
Control Precision	6.6	12.3	10.1	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	11.8	11.8	0	Current ability level may be sufficient
Visualization	7.5	11.1	8.5	<<	Extensive improvement in abilities may be required
Perceptual Speed	7.4	11.0	10.8	0	Current ability level may be sufficient
Selective Attention	8.7	10.8	9.3	<	Some improvement in abilities may be required
Reaction Time	4.8	10.4	12.9	>	Current ability level is likely sufficient
Hearing Sensitivity	5.6	9.1	10.3	>	Current ability level is likely sufficient
Rate Control	3.8	9.1	10.8	>	Current ability level is likely sufficient
Wrist-Finger Speed	3.2	6.6	5.9	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 82
Focus Occupation: Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders (51-9021) Associated Occupation: Tool Grinders, Filers, and Sharpeners (51-4194)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Clean equipment or machinery	20	
Examine products or work to verify conformance to specifications	15	
Load or unload material or workpiece into machinery	34	
Maintain or repair industrial or related equipment/machinery	39	
Monitor production machinery/equipment operation to detect problems	27	
Operate metal or plastic fabricating equipment/machinery	54	
Perform safety inspections in manufacturing or industrial setting	33	
Use hand or power tools	2	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

Focus Occupation: Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders (51-9021)
Associated Occupation: Tool Grinders, Filers, and Sharpeners (51-4194)

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.